

## SEQUENCE LISTING

&lt;110&gt; ASTRAZENECA AB

5 &lt;120&gt; GPR22

&lt;130&gt; NGAP/100041

&lt;140&gt;

10 &lt;141&gt;

&lt;160&gt; 2

&lt;170&gt; PatentIn Ver. 2.1

15

&lt;210&gt; 1

&lt;211&gt; 1881

&lt;212&gt; DNA

&lt;213&gt; Human

20

&lt;400&gt; 1

gttattttctt caaaaggaaa acacaatttt cttttataatc aaaacaatgc aaaccttgatg 60

gttcttaattt ctacattttc tattaatagt ttacaactt aaaaatataa ctaagtacac 120

aatttgaaga ttttttttc ttacaagaa cactgttatac gtcatattaa ttgc当地ata 180

tcaatagg tttcttactt cactttctag ggaaaaaaac caactgtcc aaaagaatgt 240

gtttttctcc cattttggaa atcaacatgc agtctgaatc taacatataa gtgc当地atg 300

acatgtatc atcaacaccc aatatgtacc aaccatatac atatcgttta agctttcaag 360

tgtcttcac ccggatttttctt atgttagaaa ttgtgttggg acttggcagc aacctcactg 420

tattggtaact ttactgtcatg aatatccact taatcaactc tgctcgtaaatttacaa 480

30 tgaatcttca tgtaacttgat gtaataattt gtgtggatg ttttcttta actatagtta 540

tccttctgtt ttcaactggag agtaacactg ctctcatttg ctgtttccat gaggcttgg 600

tatcttttgc aagtgtctca acagcaatca acgtttttgc tatttttttgc gacagatgt 660

acatctctgtt aaaaactgtca aaccgaattc tgacaatggg cagagctgtt atgttagta 720

tatccatttg gattttttttctt ttttttttttctt ttttttttttctt gtaaaatttttt 780

35 tcagtcctca aagtggaaaat acctggaaa acaagacact ttatgtgtc agtacaaatg 840

aatactacac tgaactggaa atgttattatc acctgttagt acagatccca atattttttt 900

tcactgttgtt agtaatgttta atcacatataa cccaaatactt tcaggctttt aatattgtgaa 960

taggc当地aaatggcccaaca gggc当地agaaga agaaacaaatggg acaattttctc 1020

taaccacaca acatgaggctt acagacatgtt cccaaacaaatggg ttttttttttctt gtaaaatttttt 1080

40 ttgggttaag aacttcaggtt tctttaataa ttgc当地cccg gcgagctgtt aacacaccc 1140

gtgaacacac agaaagacaa aagagatct tcaggatgtt ttttttttttctt gtaaaatttttt 1200

ttcttctctg ctggacacca atttctgtt taaataccac cattttatgt ttaggccaa 1260  
 gtgacccttt agtaaaaattt agatgtgtt ttttagtcat ggcttatgga acaactatata 1320  
 ttccccctt attatatgc ttcactagac aaaaattca aaaggcttg aaaaagtaaaa 1380  
 taaaaaagcg agttgtttctt atatgtaaag ctgatccccctt gccttaataat gctgtataac 1440  
 5 acaactctt gatagatccc aaaagaaaaca aaaaatttac ctttgaagat agtgaataaa 1500  
 gagaaaaacg ttttagtgcct cagggtgtca cagactagag aaaagtctca gtttccacca 1560  
 atccacattc aatagtagttt taaatttttaa ttgtaaaaac tgatattact gccaaatata 1620  
 agaaaaatata ttaagtattt gtttatgtt taaattttca atgtgaaatg ctaatttagat 1680  
 10 agtactata tttgttatattt ttgtccatata tttgtccaa acagaaatattt catgtaaatgc 1800  
 atatttttta aggaataaaat acatagccctt aaaaacagtgtt ataaactttaa aatgtaaaaaa 1860  
 aaaaaaaaaa aaaaaaaaaa a 1881

15 <210> 2  
 <211> 433  
 <212> PRT  
 <213> Human

20 <400> 2  
 Met Cys Phe Ser Pro Ile Leu Glu Ile Asn Met Gln Ser Glu Ser Asn  
 1 5 10 15

Ile Thr Val Arg Asp Asp Ile Asp Asp Ile Asn Thr Asn Met Tyr Gln  
 25 20 25 30

Pro Leu Ser Tyr Pro Leu Ser Phe Gln Val Ser Leu Thr Gly Phe Leu  
 35 40 45

30 Met Leu Glu Ile Val Leu Gly Leu Gly Ser Asn Leu Thr Val Leu Val  
 50 55 60

Leu Tyr Cys Met Lys Ser Asn Leu Ile Asn Ser Val Ser Asn Ile Ile  
 65 70 75 80

35 Thr Met Asn Leu His Val Leu Asp Val Ile Ile Cys Val Gly Cys Ile  
 85 90 95

Pro Leu Thr Ile Val Ile Leu Leu Ser Leu Glu Ser Asn Thr Ala  
 40 100 105 110

Leu Ile Cys Cys Phe His Glu Ala Cys Val Ser Phe Ala Ser Val Ser  
 115 120 125

Thr Ala Ile Asn Val Phe Ala Ile Thr Leu Asp Arg Tyr Asp Ile Ser  
 5 130 135 140

Val Lys Pro Ala Asn Arg Ile Leu Thr Met Gly Arg Ala Val Met Leu  
 145 150 155 160

10 Met Ile Ser Ile Trp Ile Phe Ser Phe Phe Ser Phe Leu Ile Pro Phe  
 165 170 175

Ile Glu Val Asn Phe Phe Ser Leu Gln Ser Gly Asn Thr Trp Glu Asn  
 180 185 190

15 Lys Thr Leu Leu Cys Val Ser Thr Asn Glu Tyr Tyr Thr Glu Leu Gly  
 195 200 205

20 Met Tyr Tyr His Leu Leu Val Gln Ile Pro Ile Phe Phe Phe Thr Val  
 210 215 220

Val Val Met Leu Ile Thr Tyr Thr Lys Ile Leu Gln Ala Leu Asn Ile  
 225 230 235 240

25 Arg Ile Gly Thr Arg Phe Ser Thr Gly Gln Lys Lys Lys Ala Arg Lys  
 245 250 255

Lys Lys Thr Ile Ser Leu Thr Thr Gln His Glu Ala Thr Asp Met Ser  
 260 265 270

30 Gln Ser Ser Gly Gly Arg Asn Val Val Phe Gly Val Arg Thr Ser Val  
 275 280 285

Ser Val Ile Ile Ala Leu Arg Arg Ala Val Lys Arg His Arg Glu Arg  
 35 290 295 300

Arg Glu Arg Gln Lys Arg Val Phe Arg Met Ser Leu Leu Ile Ile Ser  
 305 310 315 320

40 Thr Phe Leu Leu Cys Trp Thr Pro Ile Ser Val Leu Asn Thr Thr Ile  
 325 330 335

Leu Cys Leu Gly Pro Ser Asp Leu Leu Val Lys Leu Arg Leu Cys Phe  
340 345 350

5 Leu Val Met Ala Tyr Gly Thr Thr Ile Phe His Pro Leu Leu Tyr Ala  
355 360 365

Phe Thr Arg Gln Lys Phe Gln Lys Val Leu Lys Ser Lys Met Lys Lys  
370 375 380

10 Arg Val Val Ser Ile Val Glu Ala Asp Pro Leu Pro Asn Asn Ala Val  
385 390 395 400

Ile His Asn Ser Trp Ile Asp Pro Lys Arg Asn Lys Lys Ile Thr Phe  
15 405 410 415

Glu Asp Ser Glu Ile Arg Glu Lys Arg Leu Val Pro Gln Val Val Thr  
420 425 430

20 Asp